

## ABSTRACT

A method and apparatus for virtualizing access to native resources includes a hooking mechanism, a name virtualization engine, and an operating system interface. A request to access a native resource from a process executing in the context of an isolation environment is received, the request including a virtual name for the native resource. A rule action of remap is associated with the virtual name included in the received request. A literal name for the native resource is formed, the literal name identifying a literal native resource of the same type as the requested resource. A request to access the native resource is issued, the request including the determined literal name for the native resource.